

SEQUENCE LISTING <110> Inze, Dirk De Veylder, Lieven De Almeida, Janice A NOVEL MITOGENIC CYCLIN AND USES THEREOF <130> 1187-9 <140> 09/530,209 <141> 2000-06-13 <150> PCT/EP98/06749 <151> 1998-10-23 <150> EP 97203303.9 <151> 1997-10-24 <160> <170> PatentIn version 3.2 <210> 1 <211> 927 <212> DNA <213> Arabidopsis thaliana <220> <221> CDS <222> (1)..(927)<400> 1 atg gca gag gaa aat cta gaa ctg agt ctt tta tgt aca gag agc aac 48 Met Ala Glu Glu Asn Leu Glu Leu Ser Leu Leu Cys Thr Glu Ser Asn gtt gat gat gag ggc atg att gtt gac gaa act ccg att gaa att tcg 96 Val Asp Asp Glu Gly Met Ile Val Asp Glu Thr Pro Ile Glu Ile Ser att cct cag atg ggt ttt tct caa tcg gag agt gag gag att atc atg 144 Ile Pro Gln Met Gly Phe Ser Gln Ser Glu Ser Glu Ile Ile Met 35 192 gag atg gtg gag aag gag aag cag cat ttg cca agt gat gat tac atc Glu Met Val Glu Lys Glu Lys Gln His Leu Pro Ser Asp Asp Tyr Ile 50 55 240

Lys Arg Leu Arg Ser Gly Asp Leu Asp Leu Asn Val Gly Arg Arg Asp

gcc ctc aat tgg att tgg aag gct tgt gaa gta cac cag ttt gga cca

Ala Leu Asn Trp Ile Trp Lys Ala Cys Glu Val His Gln Phe Gly Pro

90

85

288

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٠.	٠.		. ·	٠.						
		ttt Phe								336
		ttg Leu 115								384
		tta Leu								432
	Ile	gat Asp								480
		caa Gln								528
		gca Ala								576
		aaa Lys 195								624
		gtg Val								672
	Pro	tct Ser								720
		aga Arg	_		-					768
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<213> Arabidopsis thaliana

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Val Asp Asp Glu Gly Met Ile Val Asp Glu Thr Pro Ile Glu Ile Ser 20 25 30

Ile Pro Gln Met Gly Phe Ser Gln Ser Glu Ser Glu Glu Ile Ile Met 35 40 45

Glu Met Val Glu Lys Glu Lys Gln His Leu Pro Ser Asp Asp Tyr Ile 50 55 60

Lys Arg Leu Arg Ser Gly Asp Leu Asp Leu Asn Val Gly Arg Arg Asp 65 70 75 80

Ala Leu Asn Trp Ile Trp Lys Ala Cys Glu Val His Gln Phe Gly Pro 85 90 95

Leu Cys Phe Cys Leu Ala Met Asn Tyr Leu Asp Arg Phe Leu Ser Val 100 105 110

His Asp Leu Pro Ser Gly Lys Gly Trp Ile Leu Gln Leu Leu Ala Val 115 120 125

Ala Cys Leu Ser Leu Ala Ala Lys Ile Glu Glu Thr Glu Val Pro Met 130 $$135\$

Leu Ile Asp Leu Gln Val Gly Asp Pro Gln Phe Val Phe Glu Ala Lys
145 150 155 160

Ser Val Gln Arg Met Glu Leu Leu Val Leu Asn Lys Leu Lys Trp Arg 165 170 175

Leu Arg Ala Ile Thr Pro Cys Ser Tyr Ile Arg Tyr Phe Leu Arg Lys 180 185 190

Met Ser Lys Cys Asp Gln Glu Pro Ser Asn Thr Leu Ile Ser Arg Ser

195 200 205

Leu Gln Val Ile Ala Ser Thr Thr Lys Gly Ile Asp Phe Leu Glu Phe 210 215 220

Arg Pro Ser Glu Ala Ala Ala Ala Val Ala Leu Ser Val Ser Gly Glu 225 235 240

Leu Gln Arg Val His Phe Asp Asn Ser Ser Phe Ser Pro Leu Phe Ser 245 250 255

Leu Leu Gln Lys Glu Arg Val Lys Lys Ile Gly Glu Met Ile Glu Ser
260 265 270

Asp Gly Ser Asp Leu Cys Ser Gln Thr Pro Asn Gly Val Leu Glu Val 275 280 285

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Thr His Leu Ser 305

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<223> primer

<400> 3

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Thr